

GDF1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2063a**Specification**

GDF1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P27539](#)
Other Accession [GDF1_HUMAN](#)

GDF1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 2657

Other Names

Embryonic growth/differentiation factor 1, GDF-1, GDF1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP2063a was selected from the N-term region of human GDF1 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GDF1 Antibody (N-term) Blocking Peptide - Protein Information

Name GDF1

Function

May mediate cell differentiation events during embryonic development.

Cellular Location

Secreted.

Tissue Location

Expressed in the brain.

GDF1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GDF1 Antibody (N-term) Blocking Peptide - Images

GDF1 Antibody (N-term) Blocking Peptide - Background

GDF1 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Studies in rodents suggest that this protein is involved in the establishment of left-right asymmetry in early embryogenesis and in neural development in later embryogenesis. This protein is transcribed from a bicistronic mRNA which also encodes the longevity assurance gene.

GDF1 Antibody (N-term) Blocking Peptide - References

Ducy, P., et al., Kidney Int. 57(6):2207-2214 (2000). Jiang, J.C., et al., Genome Res. 8(12):1259-1272 (1998). Polymeropoulos, M.H., et al., Nat. Genet. 4(4):381-386 (1993). Lee, S.J., Proc. Natl. Acad. Sci. U.S.A. 88(10):4250-4254 (1991).